



*The Bulb Story
for 1961*

J. HOWARD FRENCH

**BULB IMPORTER
AND SEEDSMAN**

1961

**BALTIMORE PIKE • LIMA, PENNSYLVANIA
LO 6-4880**

**#1 OWLS NEST RD. • CENTERVILLE, DELAWARE
OL 5-5163**

FRENCH'S SPECIAL LAWN GRASS

HOW MUCH SEED?

Grasses	Size of Area	Pounds Required
Blue Grasses.....	1000 sq. ft.....	3 lbs.
Bent Grasses.....	1000 sq. ft.....	3 lbs.
Fescues.....	1000 sq. ft.....	4 lbs.
Clover.....	1000 sq. ft.....	1 lb.

HOW TO CARE FOR A LAWN

Apply fertilizer at the rate of 10 to 15 pounds per 1000 square feet. 10-6-4 with 25% Organic is ideal for this section.

A heavy clay soil can be improved greatly if you use peat moss at the rate of 2 or 3 cubic yards per 1000 square feet.

Rake lightly, breaking the crust that may have formed, but no deeper than $\frac{1}{2}$ inch. Seed in two directions. Rake or roll to get seed in contact with soil. Three pounds of fine seed per 1000 square feet is all that is needed. A quicker-growing mixture, composed of larger seeds, requires 4 pounds per 1000 square feet. Water until grass is well established.

FRENCH'S SPECIAL LAWN GRASS MIXTURES

French's Best Lawn Grass. Great care has been used in formulating this fine mixture, composed of fine-leaved, deep-rooting, viable turf grass seeds. It contains only Kentucky Blue Grass, Fescue, and Red Top, producing a permanent and superior deep green, velvety turf. Will withstand heat, drought and hard winters. 10 lbs. \$19.50; 25 lbs. \$42.75; 50 lbs. \$80.00; 100 lbs. \$150.00.

French's Super Lawn Grass. An excellent mixture for making a permanent lawn in fertile soil. It contains a high percentage of Kentucky Blue Grass in combination with other permanent grasses. 10 lbs. \$16.50; 25 lbs. \$40.00; 50 lbs. \$76.50; 100 lbs. \$147.50.

French's Special Evergreen Lawn Grass. It thrives under a wide variety of soil and weather conditions and produces beautiful velvety lawns. A favorite of hundreds. 10 lbs. \$14.00; 25 lbs. \$32.50; 50 lbs. \$63.00; 100 lbs. \$120.00.

French's Shady Lawn Grass. A carefully prepared mixture to be grown in shady spots. This mixture consists of the highest grade of re-cleaned seeds and should make a good lawn in places where it is hard to grow grass because of shade. 10 lbs. \$14.00; 25 lbs. \$32.50; 50 lbs. \$63.00; 100 lbs. \$120.00.

PERMANENT PASTURE AND HAY MIXTURE

Far superior to any other mixture for producing permanent hay and pasture. A mixture of varieties which will form a permanent pasture that lasts for years. Composed chiefly of native and

acclimated grasses which have been found to be best. These are blended in their proper proportions to give the desired results. Sow on new land which has been plowed and harrowed, at the rate of 60 pounds per acre; on ground partly covered, about 30 pounds per acre. 25 lbs. \$25.00; 100 lbs. \$90.00.

SEPARATE VARIETIES OF GRASSES AND CLOVERS

Blue Grasses	Lb.	10 lbs.
Kentucky Blue.....	\$1.45	\$13.00
Merion Kentucky Blue.....	3.25	30.00
Poa Trivialis.....	1.25	10.00
Fescue Grasses		
Chewing's Fescue.....	1.00	9.00
Creeping Red Fescue.....	.90	8.00
Illahee Fescue.....	1.25	10.00
Penn Lawn Fescue.....	1.45	13.00
Rye Grasses		
Domestic Rye.....	.35	3.00
Perennial Rye.....	.45	4.00
Fancy Redtop Grass.....	.90	8.00
Bent Grasses		
Colonial Bent.....	.95	8.50
Highland Bent.....	.90	8.00
Clover		
White Clover.....	1.50	13.50

SPECIAL FORMULAS

We shall be pleased at all times to submit prices of, or to prepare mixtures for any purpose whatever, according to the customer's own formula.

Owing to the variations in market value, the prices quoted above are subject to change without notice. Write for special prices on larger quantities.

FERTILIZERS FOR GENERAL USE

Shipped Express or Freight Collect

BONEMEAL. An all-purpose fertilizer used on plants with a long growing season. Excellent for bulbs. 5 lbs. per 100 sq. ft. 5 lbs. 85¢; 10 lbs. \$1.75; 25 lbs. \$3.69; 50 lbs. \$5.95; 100 lbs. \$9.50.

BULB-TONE. For bulbs, corms, tubers and rhizomes. Bulb-tone provides just the right balance of natural inorganic ingredients including a high degree of growth-producing Bone Meal. 5 lbs. \$1.00; 10 lbs. \$1.70; 25 lbs. \$3.10.

GREENS AND FAIRWAYS. 10-6-4. A perfectly balanced feeding ration for lawns. The ideal mixture for growing thick velvety lawns with lively color and long-lasting beauty. Organic content is better than 33 percent. 1½ lbs. per 100 sq. ft. 25 lbs. \$2.25; 50 lbs. \$3.75; 100 lbs. \$6.98.

SACCO PLANT FOOD. 4-12-4. The finest of fertilizers, a combined soil rectifier and growth producer for use on lawns, shrubs, flowers, trees, potted plants and vegetables. 10 lbs. \$1.29; 25 lbs. \$1.90; 50 lbs. \$3.15; 100 lb. bag \$5.98.

NUTRO SUPREME. 15-5-5. This new non-burning, long-lasting Sacco lawn food is

high in U-F (urea formaldehyde nitrogen). It produces thick, rugged turf that maintains its green color for extended periods of time. An all-new, lightweight product—16 lbs. covers 2,500 sq. ft.; the 32-lb. bag covers 5,000 sq. ft.; 16-lb. bag, \$2.45; 32-lb. bag, \$4.40; 80-lb. bag, \$10.25.

HELLER-GRO. 15-15-15. Heller-Gro is fool-proof, and when diluted as directed will not burn even the tenderest roots or foliage. Completely soluble; will not clog spraying equipment. Brings maximum results in a minimum of time, and results are quickly seen. Excellent for house plants. 3¼-oz. tube, 79¢; 1-lb. can, \$2.25; 3-lb. can, \$5.00.

URAMITE. 38-0-0. Chemically, Uramite is a mixture of methylene ureas, ranging in size from small molecules which are water-soluble to moderately large ones that are water-insoluble. These insoluble methylene ureas are the predominant and most valuable portion because they provide the long-lasting, more slowly available nitrogen. Apply 10 lbs. in late spring as a basic continuing nitrogen supply. 50 lbs. \$15.95.

THE BEAUTIFUL DARWIN TULIPS

These large blooms, on long sturdy stems, are the backbone of most Tulip plantings. They come at the peak of the season, and their myriad colors make a splendid showing. Figures 1, 2 and 3 refer to blooming time, 1 being earliest.

ANNIE SPEELMAN. (2) Very large, long, rather narrow, silky white flower with yellow anthers and faint fawn base. Lasts well when cut and does not open too wide. 30 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

ARISTOCRAT. (2) Carmine-rose, lighter edge. An aristocrat among Tulips in strength and sturdiness. Very tall and large. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

BARTIGON. (1) Fiery red. One of the best forcing varieties. 24 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

BLEU AIMABLE. (3) Bright lilac-blue, shaded steel-blue; inside dark violet-purple with a blue base. Elegant shape. 25 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

BLUE PERFECTION. (1) Lovely heliotrope-blue. One of the best. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

CAMPFIRE. (2) Cochineal-red sport of Bartigon. Use for forcing and bedding. 25 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

French's Country Garden Collection

A superb collection of our choice, consisting of new and old favorites, especially blended and composed by J. Howard French. A packaged Tulip garden for your home.

Each variety separately packaged and labeled

120 bulbs, 10 each of 12 named varieties.....	\$12.00
300 bulbs, 25 each of 12 named varieties.....	\$27.00

CHRISTMAS JOY. (1) Early-flowering. Tulip with exceptionally strong stems of long-lasting quality. Bright red. 55¢ for 3; \$1.60 for 10; \$14.00 per 100.

CITY OF HAARLEM. (2) Fine large red flower with black center. An excellent variety for the garden. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

THE BEAUTIFUL DARWIN TULIPS, cont'd

CLARA BUTT. (3) Clear self-colored rosy salmon-pink. A good bedding Tulip. 24 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

CUM LAUDE. (3) Deep Campanula-violet with a decided blue overtone and slightly lighter edges. Large, broad flower, somewhat waved. Inside shows a beautiful ivory-white center with shiny lacquered blue halo. The bluest of all blue Tulips in cultivation. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

ECLIPSE. (3) Glowing dark blood-red with maroon and black base. Well-built flower of great substance. 29 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

GOLDEN AGE. (2) Bright golden orange. A large flower on a stiff stem. Very fine when planted in the shade. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

HARVEST MOON. (3) A fine dark yellow variety. Tall, stiff stem. 29 in. 55¢ for 3; \$1.60 for 10; \$14.00 per 100.

HELEN GAHAGAN. (3) Large, oblong, soft creamy white flower; inside lemon-yellow with a fawn base. Sulphur-yellow when forced. Excellent for show purposes because of its size and splendid form. 30 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

INSURPASSABLE. (2) Rosy lilac on white ground; inside deeper lilac with white base. A mammoth flower of great substance on a tall, strong stem. Soft, pleasing color. 28 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

LA TULIPE NOIRE. (3) Very large flower of unique bluish black. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

MARGAUX. (3) Tremendous, deep wine-red flower with broad, slightly lighter edges and blue base. Oval in shape. One of the largest in its class. 28 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

NESTINARI (Fire Dancer). (3) Lovely bright oxblood-red with big black base margined yellow; inside dazzling scarlet-red. Oval shape. Strong, wiry stem. 28 in. 55¢ for 3; \$1.60 for 10; \$14.00 per 100.

NIPHETOS. (2) Beautiful lemon-yellow flower with light base and anthers. Graceful form and long-lasting qualities. Highly recommended. 30 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

NOTRE DAME. (2) American Beauty red with darker undertone. The inside of the petals is claret-red with a blue sheen. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

OPORTO. (2) Deep wine-red; grayish white base with dark anthers. The petals are rounded, making it a perfect flower; good substance and stem. We prefer this variety to Darwin Tulip, King George V. 29 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

PRIDE OF ZWANENBURG. (2) Salmon-rose with a lighter edge; large flower. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

PRINCESS ELIZABETH MAXIMUS. (2) Vivid rosy pink. A good forcer. 28 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

QUEEN OF THE NIGHT. (1) The darkest Tulip. We believe it to be superior to La Tulipe Noire. Large flower on a strong stem. 30 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

ROYAL GUEST. (2) A superb creamy white, shading to almost white as it ages; yellow anthers. The large, oval flower has exceptionally long-lasting qualities. 29 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

SCARLET BEAUTY. (3) Beautiful fiery scarlet without any marking. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

SCOTCH LASSIE. (3) Deep lavender with dark blue base. An excellent, long-lasting variety. 26 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

THE BISHOP. (3) Clear deep violet; blue base, white halo. The best in its color for the garden. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

THE PEACH. (2) A splendid clear rose-pink, deepening at edges. 30 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

WHITE ROCK. (2) Creamy white with yellow stamens. An excellent forcing variety. We recommend White Rock in place of Glacier. 30 in. 55¢ for 3; \$1.60 for 10; \$14.00 per 100.

WILLIAM COPELAND. (1) Lovely lilac. A splendid early forcer. 26 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

WILLIAM PITT. (1) Fine scarlet with a darker shade. A large flower of distinct color and a good forcer. 26 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

ZWANENBURG. (2) Creamy white with black anthers. A handsome flower of good size, carried on an excellent stem. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

THE GRACEFUL COTTAGE TULIPS

Cottage Tulips are so named because they have mostly been found in old Cottage Gardens of Great Britain and France, where they have been growing for a great number of years. They are excellent garden varieties, especially for the border, and are useful for table decoration. This class of Tulips has a wide variation in color, shape and habit of flowers. They flower with the Darwins and Breeders at a time when Hyacinths, Daffodils and Early Tulips are over, and before the summer bedding plants are in bloom.

ALBINO. (1) Large, pure white flower. A good forcer. 25 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

ARTIST. (2) Outside purple and salmon-rose with green markings; inside salmon-rose and green. Very unusual flower with pointed petals. 20 in. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

BELLE JAUNE. (1) Deep golden yellow with a bright yellow interior; light base and yellow anthers. Fine egg-shaped flower. 30 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

CARRARA. (2) Pure white, cupped flower. A good forcing and garden Tulip. 22 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

CHAPPAQUA. (3) Carmine-rose with yellow center, edged blue. Oval flower of great substance. 32 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

GENERAL DE LA REY (taking the place of Marjorie Bowen). (2) Large salmon flower shaded rose and buff, with distinct orange in the center, cream-white base and black stamens. A large flower with broad, pointed petals. Unusual and outstanding in its color. 27 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

GOLDEN HARVEST. (1) Lemon-yellow flower of great substance. An all-round garden and forcing Tulip with a stiff stem. 28 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

GREEN KNIGHT. (2) Pale green, edged yellow. Unusual color combination, and graceful flower. Exceptionally suitable for flower arrangements. 18 in. 70¢ for 3; \$2.00 for 10; \$18.00 per 100.

G. W. LEAK. (2) Glowing orange-red; green and pale yellow base. Large flower on a tall, straight stem. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

HALCRO. (1) Carmine-red, long flower. 28 in. 65¢ for 3; \$1.80 for 10; \$16.00 per 100.

IVORY GLORY. (3) A huge, creamy white, egg-shaped flower changing to snow-white when fully developed. A glorious Tulip for the garden; will last for nearly a month. Flower petals are of heavy texture and will keep well under adverse weather conditions. 26 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

MAUREEN. (2) Marble-white flower on a strong stem. A very outstanding white for forcing or garden. 28 in. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

MONGOLIA. (3) Enormous, globular flower of soft chrome-yellow with olive base and dark stamens. The finest and largest late yellow Tulip. For the garden and for cutting. 32 in. 55¢ for 3; \$1.60 for 10; \$14.00 per 100.

MOONLIGHT. (1) Large, pale yellow, elongated flower. 24 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

MOUNT EREBUS. (2) Pure white; strong flower and stem. 27 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

MRS. JOHN T. SCHEEPERS. (2) Extra-large, long-petaled, light chrome-yellow flowers; inside deep canary-yellow with deeper yellow base blotched olive. Straw-colored anthers. A favorite. 30 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

MRS. MOON. (2) An old favorite, large and pure yellow. 25 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

NORTHERN QUEEN. (1) A fine large flower, white with deep pink border. 26 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

QUEEN OF SPAIN. (2) A charming cream-colored flower, delicately flamed and feathered with pink and light rose. No other Tulip can compare with this lovely variety. 25 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

ROSABELLA. (1) Bright rose, almost watermelon-pink, broadly edged white; inside flesh-pink with white base. Large flower with very broad petals, quite pointed at tips. Very pretty; retains its color well. 26 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

ROSY WINGS. (1) Delightful pink with myosotis-blue base. Long, 5-inch buds opening full in sunlight. 25 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

THE GRACEFUL COTTAGE TULIPS, cont'd

SMILING QUEEN. (3) A large, deep pink Tulip with a delicate lighter edge. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

WHITE VIRGIN. (1) One of the best white Tulips for forcing or outdoors. A beautiful pure white. Can be forced for Christmas. 26 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

Darwin Hybrid Tulips

A new race of Tulips, the result of crossing Darwin Tulips and Fosteriana varieties. They have enormous, vividly colored flowers on strong stems and are long lasting, blooming a few days earlier than Darwin.

DARDANELLES. (1) Bright cherry-red Tulip; blue base with green shadings. The large flower is carried on a strong stem. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

DIPLOMATE. (1) 24 in. A magnificent hybrid, scarlet crimson; inside brighter red, yellow base and dark blue anthers. This hybrid also forces very well, and is the strongest of the hybrids. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

DOVER. (1) Vivid poppy-red, resembling the color of Fosteriana Red Emperor. The very large, broad flower has a dark blue, yellow-bordered base and is borne on a very strong stem. 26 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

GENERAL EISENHOWER. (1) A glorious scarlet-red of remarkable size. When open, it discloses a brilliant black base with white border. The huge flower is carried on a very strong stem. 26 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

GUDOSHNIK. (1) Sulphur-yellow spotted salmon-red. The exquisite flower has a greenish blue base and anthers. 28 in. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

OXFORD. (1) A huge flower of very clear orange-red, brightened still more by a large, clear yellow base. Very strong stem. 26 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

PRESIDENT KENNEDY. (1) The newest Darwin Hybrid Tulip. In honor of the new President of the United States, Dutch bulb growers named the newest Darwin Hybrid Tulip President Kennedy. The color of this tulip is bright yellow turning to a rich golden-bronzy color. It is a well-shaped flower and the stems are strong. 26 in. \$1.95 each.

The Lily-Flowered Cottage Tulips

ALASKA. (3) Golden yellow; yellow center and stamens. 25 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

CRABETH. (3) Light rose-pink edged pale pink. The flower petals are broad and strong. 26 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

ELEGANS ALBA. (2) An exceedingly interesting variety. Recurved white petals, very finely edged rosy carmine. 20 in. 55¢ for 3; \$1.60 for 10; \$14.00 per 100.

GOLDEN DUCHESS. (3) Deep primrose-yellow. A large flower of great beauty and substance, on a wiry stem. The "perfect" lily-flowered Tulip. 28 in. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

LINETTE. (2) Clear purplish violet, white base; inside darker. Outstanding. 20 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

RED SHINE. (2) This is the very finest red Lily-flowered Tulip, nicely reflexed. 26 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

THE BRIDE. (3) Lovely creamy white, graceful flower, strongly reflexed; straight stem. Recommended. 23 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

WHITE TRIUMPHATOR. (1) This is really a beautiful pure white flower, nicely reflexed. 26 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

Mixed Tulips

Darwin, Cottage and Breeder. An assortment of most of the good varieties.

95¢ for 10; \$8.00 per 100

Collection of Small Bulbs for Rock Gardens

A well-blended collection consisting of 10 varieties of small flowering bulbs, suitable especially for the rock garden.

10 each of 10 varieties 100 bulbs in all for \$6.75

New Giant Breeder Tulips

The enormous flowers of the new Giant Breeder Tulips are far superior to the older varieties. They average 30 to 36 inches in height, with much stronger stems, huge flowers, and many more attractive colors. The petals are also more substantial and have better lasting quality. They are of rich pastel shades and gorgeous blendings of purple, bronze, violet, old gold, buff, and maroon not found in other Tulips. Many of them are sweet scented and make splendid cut flowers. Blooming period May 1 to May 18.

BRONZE GLORY. (1) A lovely copper-colored variety, shaded olive and purple. A most curious color combination. Center and anthers dark. Flower is broad and large; stiff stem. 29 in. 70¢ for 3; \$2.00 for 10; \$18.00 per 100.

DENVER. (2) Rich blue-lavender, distinct pure white center. Flower of good substance. 32 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

DILLENBURG. (3) Brilliant salmon-orange, shaded rose. A large bloom on a strong, stiff stem. Recommended for the garden. 26 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

DIXIE SUNSHINE. (3) A greatly improved Cherbourg. It has a better color, larger flower and greater lasting qualities in the garden. Outside petals yellowish tan with pale lilac shading. Broad margin of buff-yellow, inside palest Havana-yellow turning to buff-yellow at edges; bright yellow

base. 28 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

FULTON. (2) A large bluish violet flower on a strong stem. A new and better Tulip than Louis XIV. 32 in. 65¢ for 3; \$1.80 for 10; \$16.00 per 100.

INDIAN CHIEF. (2) A Tulip of glorious color—Indian-brown flushed coppery brown. One of the handsomest of the brown Breeders. 32 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

KARL MAY. (3) Brilliant Chinese-red, base and anthers yellow. Most attractive for the garden. Solid flower on strong stem. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

LIMNOS. (1) Lovely salmon-orange, outer petals flushed lilac-rose; clear center. Flower egg shaped, of good substance. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

LOUIS XIV. (2) Dark bluish violet with small margin of flushed gold-brown, shaded bronze 32 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

MOROCCO BEAUTY. (2) An enormous Breeder Tulip that is a real beauty. Clear Morocco-red, with dark reddish mahogany interior and yellowish base. 26 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

PENELOPE. (2) Bronzy yellow with golden yellow border. Robust in habit and long lasting. A very fine garden variety. 34 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

Chameleon Tulips

The flowering period is similar to that of the Darwins, which they also resemble in form and habit. Exquisite when forced in late February.

FANNY FARRAR. (2) At opening it is white with a delicate edging of rose-pink on each petal, which gradually suffuses the entire flower with soft pink. 28 in. 55¢ for 3; \$1.60 for 10; \$14.00 per 100.

Triumph Tulips

Midseason Tulips of stouter build and good height, though not so tall as Darwin Tulips.

ALBERIO. Cherry-red, edged yellow. Can be forced from January 10. 16 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

AUREOLA. Bright red, edged golden yellow. Sport of Elmus. Early February forcer. 18 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

BLIZZARD. Creamy white, large flower on strong stem. Long lasting. Excellent bedding variety. 24 in. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

ELMUS. Cherry-red with white border. Splendid for cutting. 18 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

JACQUELINE KENNEDY. This splendid new tulip was named in honor of the First Lady of America. The color is extraordinary fine mauve with silvery glow. Large flowers with a strong stem, about 20 in. high. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

KORNEFOROS. Carmine, edged vermillion, with bluish undertone; white base. 24 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

TELESCOPIUM. Reddish violet. Mid-February forcer. 22 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

Single Early Tulips

Used where earlier blooms are desired. Many may be forced in January. Most bloom outdoors about the same time when planted in masses. Blooming period April 10 to May 1.

FRED MOORE. (1) Bright orange, shaded scarlet. 15 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

GENERAL DE WET (Fireglow). (2) Bold, fragrant flowers of fiery orange stippled scarlet; yellow center. 16 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

KEIZERSKROON (Grand Duc). (1) Bright crimson-scarlet, edged yellow. Fine bedder. 16 in. 55¢ for 3; \$1.60 for 10; \$14.00 per 100.

PINK BEAUTY. (2) Vivid cherry-rose, striped white. Enormous. 14 in. 55¢ for 3; \$1.60 for 10; \$14.00 per 100.

PRINCE OF AUSTRIA (Fire Prince). (1) Showy, fiery orange-scarlet. Long-lasting, sweetly scented flowers with yellow base. 14 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

PRINCESS JULIANA. (2) Large, dark pink. Excellent for forcing. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

RIISING SUN. (2) Pure golden yellow flowers of good form, large size and sturdy growth. Excellent for bedding and borders. 16 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

WHITE HAWK (Albion). (1) Large, globe-shaped, pure white flowers. An excellent early forcer and bedder. 13 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

Double Early Tulips

Chiefly grown for their showy effects in masses. Excellent for growing indoors but should not be forced too early. Blooming period April 10 to May 1.

ELECTRA. (2) Carmine-red, shaded light violet. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

MR. VAN DER HOEF. (2) Golden yellow. Fine for forcing. 13 in. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

MURILLO. (2) Delicate rose-pink. One of the best forcers. Still very popular. 12 in. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

ORANGE NASSAU. (2) Bright orange-scarlet with a margin of orange; outer petals shaded cherry-red. 12 in. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

PEACH BLOSSOM. (2) Brilliant dark rosy pink. 12 in. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

SCHOONOORD. (2) Beautiful pure white. Large and full. For forcing or bedding. 11 in. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

Botanical or Species Tulips and Their Hybrids

The following collection of Botanical Tulips includes a great number of beautiful and interesting varieties, which show a bewildering variation of size and shape of flowers, structure of leaves, habits, etc. The only thing they have in common is the fact that they grow wild in some parts of the world—Asia Minor, Central Asia, Greece, the Mediterranean. Cultivation has not modified them and they may be planted in the rock garden between creeping plants or in colonies in small, warm nooks, a situation where the larger-flowered garden Tulips would be out of place. Blooming period April 1 to late May.

CLUSIANA (The Lady Tulip). Outer petals bright cherry-red, inner petals creamy white, violet base. Small flower, but very distinct and beautiful. 8 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

DASYSTEMON (Tarda). Many snow-white, starry flowers with canary-yellow center on one stem. Outstanding for the rockery. Blooms in March-April. 6 in. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

EICHLERI. Crimson-scarlet, shaded orange; glistening black center marked with gold. Lily-type flower. 8 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

FOSTERIANA, GOLDEN EMPEROR. New, golden yellow companion to Red Emperor. Gorgeous. 18 in. 50¢ each; 3 for \$1.25.

Botanical or Species Tulips and their Hybrids, cont'd

FOSTERIANA, RED EMPEROR. (Mme. Lefebvre). A glorious scarlet-red Tulip of remarkable size and substance; large black center with a yellow border. May be forced in mid-February. Flowering at the same time as Narcissus, it should be planted with or between them. 18 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

FOSTERIANA, WHITE EMPEROR. Pure glistening white, long petaled flowers with yellow anthers; as large and early as Red Emperor with which it combines beautifully. 16 in. \$1.00 for 3; \$3.00 per 10; \$28.00 per 100.

KAUFMANNIANA (The Waterlily Tulip). Creamy white, more or less tinged rosy red on the outside. The first of all species to bloom. 6 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

KAUFMANNIANA, CESAR FRANCK. Dark yellow with outer petals marked brilliant red; red and black center. Dwarf. Outstanding. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

MARJOLETTI. Soft primrose, shaded carmine-red at base. Small flower of an attractive color. 14 in. 40¢ for 3; \$1.00 for 10; \$8.00 per 100.

PEACOCK MIXTURE (Hybrid). These bright, gay Tulips display an amazing variety of different shades and rare color combinations seldom seen in Tulips. The attractive foliage is always distinctly striped purple-brown. Height varies from 8 to 18 inches. 70¢ for 3; \$2.00 for 10; \$18.00 per 100.

PRAESTANS FUSILIER. Large; bright orange-red; several flowers on a branching stem. A most brilliant flower. Blooms in April. 14 in. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

ROCKERY BEAUTY. A very brilliant vermilion-red variety. Free-flowering and long-lasting bloom. 8 in. 45¢ for 3; \$1.40 for 10; \$10.00 per 100.

SAXATILIS. A most beautiful lavender with a very large, soft yellow base. None better. Blooms in April. The loveliest of all Botanical Tulips in this color. Should be grown by everyone. 9 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

SPIDER. Yellow, streaked red. The very long thin petals are waved and curled. Long stiff stem. Attractive and very unusual. 20 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

TURKESTANICA. The stems carry 5 to 8 white starry flowers, shaded yellow inside. 7 in. 40¢ for 3; \$1.00 for 10; \$8.00 per 100.

Double Late Tulips, Peony-Flowered

Taller than the Double Early. Blooming period early to late May.

COXA. Scarlet, daintily tipped white; very large. 22 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

EROS. Old-rose tinted silvery rose toward edge. 20 in. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

GOLD MEDAL. The finest golden yellow Tulip to date. Flowers are large, fully double and long lasting. 18 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

GRANDA. Beautiful rose-pink. Very strong and clear rose color. 22 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

LILAC PERFECTION. Silvery lilac-mauve, white base. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

MOUNT TACOMA. Like a double pure white peony. 18 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

NIZZA. Large double yellow with red dots. Very unusual. 20 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

UNCLE TOM. Dark glossy red; large. 22 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

Chinese Lantern Tulip

Although this belongs to the Cottage class, we are cataloging it separately to bring it especially to your attention. The general effect is that of an illuminated Chinese lantern.

GOOD GRACIOUS. A blending of pink, salmon, orange and yellow, giving the general effect of pale apricot; yellow base. This variety was named by one of the greatest Tulip fanciers. 28 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

Collection of Bulbs for Forcing Indoors or in the Greenhouse

A superb collection that anyone can grow indoors. Enjoy the beauty of flowering bulbs through the long winter months.

2 Hyacinths, Borah
10 Narcissus, Paper-white
10 Oxalis
6 Freesias, Mixed
6 Ornithogalum

34 bulbs in all for only \$4.25

See Our Spring Catalog for a complete list of FERTILIZERS, INSECTICIDES, GARDEN SUPPLIES.

New, Rare and Exotic Parrot Tulips at New Low Prices

No Tulip has captivated the public so much as the new and improved types of Parrot Tulips. They are noted for their strong stems and unusual substance. While we recommend them more as cut flowers, they nevertheless are virile enough for garden planting, particularly as accent plants.

BLACK PARROT. The only Parrot Tulip in its color—brilliant, velvety maroon-black. A graceful flower on a strong stem. Highly recommended. 26 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

BLUE PARROT. One of the best. Really blue, delicately fringed. Excellent stem and substance. 28 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

FANTASY. A beautiful salmon-pink Parrot Tulip with much darker interior and green feathered markings outside. 27 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

FIREBIRD. Larger and more impressive than Fantasy. Rich red of great substance. 22 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

ORANGE FAVORITE. Bright orange, lighter and brighter inside, with golden

yellow center. Very sweet scented. 22 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

PARROT WONDER. Sport of Pride of Haarlem. Cerise-red; extra strong. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

RED CHAMPION. Cochineal-carmine, shaded rosy red; white base edged light blue. Large flower; strong, stiff stem. Good forcer. 21 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

TEXAS GOLD. Clear golden yellow flowers lightly rimmed bright red; outside slightly tinged green, as in all Parrot Tulips. The flowers are heavily laciniated and open to an enormous size. 24 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

VAN DYCK. This is without any question the finest pink Parrot Tulip known. Brilliant rose-pink, edged paler; inside very bright rosy red with paler edge. Enormous flower on strong stem. 26 in. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

WHITE PARROT. This is a pure white Parrot with green markings. A very fine novelty. 35¢ each; \$1.00 for 3.

HYACINTHS

Fragrant and Delightful Hyacinths

Hyacinths for outdoor growing should be planted so that the bulb tip is covered no more than 3 inches. Planting dates vary with geographical locations, but they may be planted safely until December 1 in most localities. Bulbs for forcing can be planted until November 15. Use general procedure (Cultural Bulletin on request) as for all hardy bulbs. Hyacinths in glasses should be started in a cool basement until heavy root growth develops and then moved to a bright, airy room.

RED, PINK AND ROSE SHADES

LADY DERBY. Bright rose-pink.

LA VICTOIRE. The leading deep carmine-red.

MARCONI. Bright rose. Splendid for forcing.

PINK PEARL. Vivid rose. Forces early.

PRINCESS MARGARET. Soft salmon-pink.

QUEEN OF THE PINKS. Rose-pink. Late forcer.

BLUE SHADES

BISMARCK. Sky-blue. For early forcing.

BLUE GIANT. Beautiful porcelain-blue.

GRAND MAITRE. Deep lavender-blue.

KING OF THE BLUES. Dark blue. Spicy fragrance.

MYOSOTIS. Forget-me-not-blue.

QUEEN OF THE BLUES. Pale azure-blue.

WHITE SHADES

ARENTEINE ARENSEN. Pure white. Early.

L'INNOCENCE. Large, pure white. Forces well.

YELLOW SHADES

CITY OF HAARLEM. Large, pure yellow.

PRINCE HENRY. Clear yellow. Good forcer.

Any of the above Hyacinths:

	Each	10	100
Exhibition bulbs.....	\$0.40	\$3.70	\$32.00
First-size bulbs.....	.35	3.10	26.00
Second-size bulbs.....	.30	2.70	22.00
Third-size bulbs.....	.25	2.30	18.00

HYACINTHS, cont'd

Miniature Prepared Hyacinths for Christmas

L'INNOCENCE. White. 30¢ each; \$2.50 for 10; \$20.00 per 100.

Imported Hyacinth Glasses

Beautifully blown, genuine Dutch Hyacinth glasses of leaded glass. Invaluable as cut-flower vases as well as for forcing beautiful blooms indoors.

Each glass, postpaid.....\$1.00

Jumbo Exhibition Hyacinth and Glass complete, postpaid..... 1.25

Multi-Flowered Hyacinths (Fairy Hyacinth)

Multi-flowered Hyacinths have been obtained by crossing the Dutch with the French Roman Hyacinth. A first-size bulb averages from 9 to 12 dainty, loose flower spikes. They may be used for early forcing, since they respond very well when specially prepared for this purpose.

BORAH. A French strain of medium blue for early indoor culture. 35¢ each; \$3.20 for 10; \$27.00 per 100.

French Roman Hyacinths (Supply Limited)

Forcing bulbs, all stock imported from France. These airy and lovely flowers are a most delightful subject for home growing. Not to be confused with Dutch Hyacinths, which produce a heavy spike.

WHITE. 40¢ each; \$3.50 for 10; \$30.00 per 100.

HYACINTHS

How to prevent "spitting" or casting of buds (loose buds)

Some varieties may "spit out" or drop flower buds. These "loose buds" are developed while the bulbs are in the plunging bed. To avoid them:

- (a) Do not plant too early.
- (b) Check the drainage in the plunging bed. Make sure bulbs are not getting too much water.
- (c) Do not let the temperature in the plunging bed get much higher than 48° F., especially about 6 to 8 weeks after planting bulbs.

Transfer of the pots from the trenches to the greenhouse should be done very quickly during cold weather. Cover the bulbs during transport and raise the temperature gradually after they are brought into the greenhouse.

LILIES BEAUTIFUL IN FORM AND COLOR

Lilies for Indoor Growing

(For 1 to 9 bulbs, use the 10 price)

CROFT LILY. Eight to 10 large, white, bell-shaped flowers on sturdy stems, with heavy lustrous foliage. When grown as a pot plant, it is about 2½ feet tall. Jumbo bulbs, \$15.00 for 10; \$120.00 per 100.

GEORGIA BELLE. Heavy-textured, pure white trumpet. Strong grower; very free flowering. Will produce many blooms from our top-size bulbs. Top-size bulbs, \$15.00 for 10; \$120.00 per 100.

Hardy Garden Lilies

All Lilies, unless otherwise noted, are top size for the variety

(For 1 to 9 bulbs, use the 10 price)

AURATUM. The magnificent Gold-banded Lily of Japan. Large white flowers with a golden band down the center of each petal. The fragrant blooms, heavily spotted crimson, are carried on strong stems 3 to 6 feet high. Stem rooting; plant 8 inches deep. Blooms in August. \$12.00 for 10; \$100.00 per 100.

CANDIDUM (Madonna Lily). There are no Lilies as interesting and inspiring as the lovely Madonna. Symbolically chaste and graceful, they really steal the show from gaudier garden subjects. Plant in masses for best effect, about 3 inches deep. They increase in beauty each year. Blooms in June. Plant September 1 to November.

Monster bulbs, \$9.50 for 10; \$75.00 per 100.

Jumbo bulbs, \$11.50 for 10; \$95.00 per 100.

Extra-selected bulbs, \$13.00 for 10; \$115.00 per 100.

PHILIPPINENSE FORMOSANUM. A perfectly hardy, pure white Easter Lily with trumpets 10 inches long. Plant 8 inches deep. Blooms in August. Extra-large bulbs, \$6.50 for 10; \$50.00 per 100.

REGALE. Gorgeous, bell-shaped, white flowers with a touch of canary-yellow in the throat and a shading of lilac-pink on the outside. One of the most beautiful and easily grown Lilies. Very hardy. Plant in full sun, at least 8 inches deep. Blooms in July.

LILIES BEAUTIFUL IN FORM AND COLOR, cont'd

Hardy Garden Lilies, cont'd

Monster bulbs, \$9.50 for 10; \$75.00 per 100.
Extra-selected bulbs, \$11.50 for 10; \$95.00 per 100.

SPECIOSUM ALBUM. Exquisite snow-white with a golden green stripe through the center of each petal; anthers coppery color. In form and habit this is one of the most beautiful Lilies. Blooms in July and August. \$18.00 for 10; \$150.00 per 100.

SPECIOSUM ELLABEE. A 1953 introduction. A pure white speciosum bearing a pea-green star in center of bloom, is an exceptionally vigorous grower. The perfect cut flower where white is preferred. Blooms

last fully ten days and longer in water. \$20.00 for 10; \$185.00 per 100.

SPECIOSUM RUBRUM. Frosted white, suffused rose-pink and spotted crimson. Plant at least 10 inches deep in a sunny spot. Blooms in July and August.

Monster bulbs, \$10.00 for 10; \$80.00 per 100.

Jumbo bulbs, \$13.00 for 10; \$100.00 per 100.

SPECIOSUM LUCIE WILSON. A very fine Oregon grown Rubrum Lily, rich pink spotted red. For outdoor planting or indoor forcing. Disease free. \$18.00 for 10; \$150.00 per 100.

DAFFODILS AND NARCISSUS

Daffodil is the English name for the Narcissus. There are many flower shapes and combinations and many variations of the two main Daffodil colors, white and yellow. A few new introductions show light salmon-pink tints in their petals, and many have red in their cups. Read the descriptions carefully before making your choice of varieties. The classification given below will help you to distinguish the various classes.

CLASSIFICATION OF DAFFODILS

- Ia. Yellow Trumpets.
- Ib. Bicolor Trumpets.
- Ic. White Trumpets.
- IIa. Large-Cupped, yellow perianth, colored cup or corona.
- IIb. Large-Cupped, white perianth, colored cup or corona.
- IIc. Large-Cupped, white perianth, colored cup or corona.
- IId. Large-Cupped, not falling in a, b, or c.
- IIIa. Small-Cupped, yellow perianth, colored cup or corona.
- IIb. Small-Cupped, white perianth, colored cup or corona.
- IIc. Small-Cupped, white perianth, white cup or corona.
- IId. Small-Cupped, not falling in a, b, or c.
- IV. Double Varieties.
- Va. Large-Cupped Triandrus Narcissus.
- Vb. Short-Cupped Triandrus Narcissus.
- VI. Cyclamineus Narcissus.
- VII. Jonquilla Narcissus.
- VIII. Tazetta Hybrids (Poetaz, etc.).
- IX. Poeticus Narcissus.
- X. Species and Wild Forms and Hybrids.
- XI. Miscellaneous Narcissus not falling into any of the foregoing divisions.

Figures 1, 2, 3, etc., refer to blooming time, 1 being earliest.

Division I—Trumpet Narcissus

Distinguishing characters: One flower to a stem; trumpet or corona as long as or longer than the perianth segments.

Division IA—Yellow Trumpets

Yellow and Sulphur-colored Trumpet Daffodils

DUTCH MASTER. (2) Large, much overlapping, flat and strong perianth. The large, well-proportioned trumpet is slightly expanded at the mouth. Deep golden yellow. Good strong neck and excellent stem. 95¢ for 3; \$2.90 for 10; \$27.00 per 100.

FLOWER CARPET. (2) Large, clear golden yellow trumpet of excellent form. This we would call the improved King Alfred, inasmuch as it has all the good King Alfred points but produces many more and earlier blooms. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

GOLDEN HARVEST. (1) The largest of this group and one of the finest. Deep golden yellow flowers with broad perianth petals and long trumpet gracefully rolled back at the brim. Sweet-scented. Strong stems. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

GRAPEFRUIT. Flat and well overlapping perianth; the very smooth trumpet is well proportioned and slightly expanded. This lovely flower is pale lemon-yellow throughout but when flower ages the trumpet becomes slightly tinged with palest apricot. Most attractive and highly recommended. \$1.00 each.

DAFFODILS AND NARCISSUS, cont'd

Division IA— Yellow Trumpets, cont'd

JOSEPH MACLEOD. (1) A beautiful, large and well-proportioned new trumpet. Strong, flat and well-overlapping perianth, standing at right angles to the large trumpet. Soft golden yellow throughout. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

KING ALFRED. (2) Both perianth and trumpet are rich golden yellow. The trumpet is deeply frilled and recurved; the perianth is rather informal. A forcing and bedding flower of proved merit. Jumbo bulbs, Oregon grown, 90¢ for 3; \$2.70 for 10; \$25.00 per 100. Top-size bulbs, Holland grown, 65¢ for 3; \$1.90 for 10; \$17.00 per 100.

REMBRANDT. (2) A lovely early, large, golden yellow. Highly recommended. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

UNSURPASSABLE. (1) One of the largest trumpets. Broad, much overlapping perianth; very large, spreading trumpet, beautifully rolled back at the brim. Deep golden yellow. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

Division IB—Bicolor Trumpets White or Whitish Perianth with Yellow, Lemon or Pale Primrose Trumpet

QUEEN OF BICOLORS. (2-3) Ivory-white perianth and wide-open, deep golden yellow trumpet. Early. Large blooms, exquisite color, and good shape make it one of the finest medium-priced varieties of this group. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

WORLD'S FAVOURITE. (2-3) The large, flat, much overlapping and thick perianth is pure white. Large, well-proportioned trumpet of soft pale yellow. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

Division IC—White Trumpets White or Whitish Perianth with White or Nearly White Trumpet

BEERSHEBA. (3) The large, pure white flowers are of perfect form with a splendid perianth, nicely flat and standing at right angles to the trumpet, the pointed segments long and overlapping. Splendid substance. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

MOUNT HOOD. (3) Creamy white perianth and trumpet. Large flower. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

MRS. ERNEST H. KRELAGE. (3) One of the best recent introductions. Snowy white perianth with elegant creamy white trumpet, recurving at brim. Flowers of great substance. Vigorous grower. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

Division II—Large-Cupped Narcissus

(Comprising the former *Incomparabilis* and large-crowned *Leedsii*)

Division IIA—Large-Cupped Yellow, Lemon or Pale Primrose Perianth with Yellow, Pink or Red-Stained Cups

CARLTON. (1-2) Clear soft yellow. Close, broad, overlapping perianth; large cup with frilled edge. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

FORTUNE. (1) Beautiful clear deep lemon-yellow, flat, overlapping perianth with a very large and long bold cup of coppery red-orange. Good substance; perfect carriage. Grows 2 feet tall. 70¢ for 3; \$2.00 for 10; \$18.00 per 100.

GRANVILLE. (2) Canary-yellow perianth, shading to creamy yellow after opening. Large, broadly expanded, self-colored, vivid orange crown, strongly ruffled. A magnificent show variety. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

HELIOS. (1) Perianth deep golden yellow; cup opens a little darker than the petals and gradually changes to deep orange. Excellent for forcing and a splendid garden variety. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

JULES VERNE. (2) Soft creamy-white perianth, with very large, heavily fringed, cream colored, trumpet-shaped crown. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

MISSOURI (3) Flat and much overlapping clear yellow perianth. The well-proportioned cup-shaped crown is solid deep orange throughout. 90¢ each.

SCARLET ELEGANS. (2) Dark yellow perianth; brilliant scarlet cup. Extra. 70¢ for 3; \$2.00 for 10; \$18.00 per 100.

YANKEE CLIPPER. (2-3) Large and well overlapping soft lemon-yellow perianth. The large cup is bright orange. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

Division IIB—Large-Cupped White or Whitish Perianth with Yellow, Pink or Red-Stained Cups

DICK WELLBAND. (3) Pure white, broad oval perianth petals in startling contrast to the large, crinkled, coppery orange crown. 70¢ for 3; \$2.00 for 10; \$18.00 per 100.

DUKE OF WINDSOR. (2-3) Best of all "weatherproof" varieties. Broad, white, overlapping perianth of good substance. Large and broad, pale orange crown, which

DAFFODILS AND NARCISSUS, cont'd

Division IIB—Large-Cupped, cont'd

is very flaring and short. Inside of cup shows delicate flaking of broad golden band. Its unusual substance and keeping qualities stamp it as a flower of all-round excellence. Top show variety. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

EMERALD. (3) A strong, pure white perianth; wide, flaring, short, deeply and heavily ruffled crown of great substance, of lemon-yellow color. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

JOHN EVELYN. (2) Flatly opening perianth, 4 to 5 inches across, with a flat cup nearly 2 inches in diameter, densely frilled. Perianth pure white; cup lemon-yellow, fluted to the base. 70¢ for 3; \$2.00 for 10; \$18.00 per 100.

KILWORTH. (4) Large flower with broadly overlapping white perianth and bowl-shaped crown of very dark orange-red, with touch of green in the center. Unfading. The best in the red and white class. \$1.05 for 3; \$3.20 for 10; \$30.00 per 100.

LOUIS DE COLIGNY. (3-4) The reflexing habit of the perianth, which is pure white and of good substance, tends to throw the near apricot-pink cup into focus. Another very pleasant attraction of Louis de Coligny is that it is strongly fragrant. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

MERCATO. (2) Large, much overlapping white perianth; the large and spreading, orange-yellow crown is edged bright red. 70¢ for 3; \$2.00 for 10; \$18.00 per 100.

MRS. R. O. BACKHOUSE. (3-4) Silvery white perianth; trumpet heavily tinted soft apricot-pink, changing to shell-pink at the deeply cut edge. Delightful fragrance adds to its charm. 65¢ for 3; \$1.80 for 10; \$16.00 per 100.

ORANGE MONARCH. (2) Broad, ivory-white perianth of good substance; the enormous, flaring crown is of a brilliant orange, nicely ruffled and very strong. Outstanding. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

PINK FANCY. (3) Well-formed, white perianth, with a pale apricot trumpet, broadly fringed soft pink. We strongly recommend this for naturalizing, not only because it is so free flowering but because it will outlast most other Daffodils. 70¢ for 3; \$2.00 for 10; \$18.00 per 100.

PINK GLORY. (3) Pure white perianth with an exquisite long trumpet. Light Indian-yellow on opening, shading to a lovely pink. Inside deep pinkish apricot. 95¢ for 3; \$2.90 for 10; \$27.00 per 100.

PINK RIM. (3) Pure white perianth; the cup is a pale citron-yellow with a very distinct light picotee-pink rim. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

ROYAL CROWN. (2-3) Large, silvery white perianth; the very large, heavily frilled, much expanded crown is soft apricot. One of the best John Evelyn seedlings. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

SEMPRE AVANTI. (3) Perianth creamy white; large, bright orange cup. 65¢ for 3; \$1.80 for 10; \$16.00 per 100.

SIAM. (3) Pure white perianth, well formed and of good substance. The wide and flaring trumpet is apricot, changing gradually to soft pink. A giant among the "pinks." 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

Division IIC—Large-Cupped White Perianth, Colored Cup or Corona

WHITE BUTTERFLY. Broad, flat, much overlapping and strong, very pale, creamy-white perianth. The almost flat and spreading crown is white with tinges of yellow and green in the center. The most unique and attractive part of this lovely flower is the shape of the cup and which is so heavily serrated that it is almost divided in separate parts. Very substantial flower on a strong stem. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

Division III—Small-Cupped Narcissus

(Comprising the former Barrii and Small-Cupped Leedsii)

Distinguishing characters: One flower to a stem; cup or corona not more than one-third the length of the perianth segments

Division IIIA—Small-Cupped Yellow, Lemon or Pale Primrose Perianth with Yellow or Red-stained Cups

RAPALLO. (3) Strong, very flat, much overlapping, round, clear yellow perianth. The very large and absolutely flat crown is deepest golden yellow, broadly margined bright red. A very fine and unusual short-necked flower on a strong stem. 65¢ each; \$1.65 for 3; \$5.20 for 10; \$50.00 per 100.

Division IIIB—Small-Cupped White or Whitish Perianth with Yellow, Pink or Red-stained Cups

AMATEUR. (3) Much overlapping, white perianth and a large, perfectly flat, bright scarlet crown. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

DAFFODILS AND NARCISSUS, cont'd

Division IIIB—Small-Cupped, cont'd

FIRETAIL. (4) A very attractive flower of Poeticus form, with broad, creamy white perianth and a large, bright crimson-scarlet cup. Flowers of great substance. Strongly recommended. 65¢ for 3; \$1.80 for 10; \$16.00 per 100.

LADY DIANA MANNERS. (3) Creamy white perianth with a large, orange-scarlet crown. A beautiful garden variety. 65¢ for 3; \$1.80 for 10; \$16.00 per 100.

ST. LOUIS. Well overlapping, rather pointed, pure white perianth. The yellow cup is edged bright red. 70¢ for 3; \$2.00 for 10; \$18.00 per 100.

Division IV—Double Narcissus

Distinguishing character: Double flowers

GOLDEN DUCAT. (2) Golden-yellow throughout. Several layers of lovely wax-like petals overlap one another and gradually form a very symmetrical double center. 60¢ each.

HOLLANDIA. (1) Classed as a double, but only partly so. The flat, overlapping perianth is yellow, and the large, very double crown is deep orange-red. Unusual. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

HOLLAND'S GLORY. (1) A double sport of Emperor, with a double row of petals and a very full, medium long, triangle cup of clear lemon. Strong grower. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

INGLESCOMBE. (3) An exquisite flower of very fine quality and form, and one of the best doubles. Large flower of uniform primrose color. A vigorous grower, much praised for cutting. Strongly recommended for outdoor culture. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

TEXAS. (3) The outside petals are yellow and the center ones deep bright orange. A large, very full and most attractive flower. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

TWINK. (2) Charming flower of pale primrose flushed white; center deep orange-red. A very showy exhibition novelty as well as a lovely garden variety. A particularly easy grower. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

Division V—Triandrus Narcissus

Characteristics of Narcissus triandrus clearly evident

Division VA—Large-Cupped

TRIANDRUS ALBUS (Angel's Tears). (3) Flowers resemble miniature cyclamen, with

their reflexed, creamy white perianths and pure white cups. 40¢ for 3; \$1.00 for 10; \$8.00 per 100.

THALIA. (3-4) Often called the orchid-flowered Daffodil, it produces beautiful pure white flowers carried 2 to 4 on a stem. Most attractive for either rock garden or indoor decoration. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

Division VB—Short-Cupped

SILVER CHIMES. (3) This lovely flower has a pure white perianth and a delicate pale primrose cup. Six or more flowers to a stem. \$1.20 for 3; \$3.70 for 10; \$35.00 per 100.

Division VI—Cyclamineus Narcissus

Characteristics of Narcissus cyclamineus clearly evident

FEBRUARY GOLD. (1) Golden yellow perianth; the rather long trumpet crown is very pale orange. Extremely early. 70¢ for 3; \$2.00 for 10; \$18.00 per 100.

Division VII—Jonquilla Narcissus

SINGLE JONQUIL. (5) The true, delightfully scented, old-fashioned Jonquil with the fragrance of the honey locust. Each stem carries a cluster of 3 to 8 small, bright golden yellow flowers. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

TREVITHIAN. (3) Several soft yellow flowers on a stiff stem. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

Division VIII—Poetaz Narcissus

(Tazetta Narcissus)

CHEERFULNESS. (5) A very showy and decorative variety with 2 or 3 blooms on a strong stem. White perianth and a full double, creamy white center shaded yellow. Excellent cut flower. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

CRAFORD. (2) Very early; easily forced. Strong, pure white perianth and brilliant scarlet eye. It may be successfully grown in pebbles in water like Paper-White Narcissus, to bloom just after Christmas. 70¢ for 3; \$2.00 for 10; \$18.00 per 100.

DAFFODILS AND NARCISSUS, cont'd

Division VIII—Poetaz Narcissus, cont'd

EARLY PERFECTION. (1-2) Four or five large flowers of great substance on a long, strong stem. Broad white petals and a yellow cup; very early. Excellent forcing variety. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

GERANIUM. (4) Perianth pure white, very round and flat; cup intense solid orange-scarlet. Four or more flowers on a strong, tall stem; late. Excellent for the garden or forcing. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

LAURENS KOSTER. (3) Heads of 5 or 6 large flowers, with solid rounded perianth and pale yellow cup. Good grower and one of the best for forcing. 55¢ for 3; \$1.50 for 10; \$13.00 per 100.

MARTHA WASHINGTON. (3) Large, strong, white perianth and large orange cup. Two, but mostly 3 flowers are carried on a tall, strong stem. Most unusual variety. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

YELLOW CHEERFULNESS. (5) Soft yellow sport of Cheerfulness. 65¢ for 3; \$1.80 for 10; \$16.00 per 100.

Division IX—Poeticus Narcissus

ACTAEA. (3) One of the largest Poeticus in existence. Broad, snow-white perianth of great substance and good form, the very large eye broadly margined dark red. Vigorous plant. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

PHEASANT'S EYE (Recurvus). (6) Somewhat reflexing, pure white perianth; small yellow eye edged deep scarlet. Old favorite; well known. 60¢ for 3; \$1.70 for 10; \$15.00 per 100.

Division X—Species and Wild Forms and Hybrids

Ideal for the Rockery

BULBOCODIUM CITRINUS (Hoop Petticoat). (2) Sulphur-yellow. 6 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

BULBOCODIUM CONSPICUUS (Hoop Petticoat). (3) Golden yellow. 8 in. 45¢ for 3; \$1.20 for 10; \$10.00 per 100.

MINIMUS (Minor). (1) The smallest trumpet Daffodil. Dark yellow trumpet, with sulphur-yellow perianth. Very dainty. 3 in. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

OBVALLARIS. (1) This small trumpet is clear yellow throughout. Ideal for rock gardens. 50¢ for 3; \$1.40 for 10; \$12.00 per 100.

WATIERI. (1) Most charming and rare miniature Narcissus. The exquisite little flowers are pure white and are carried on a 4-inch stem. 90¢ for 3; \$2.70 for 10; \$25.00 per 100.

Narcissus Polyanthus (Not Hardy) Paper-White Narcissus

A beautiful indoor plant of easy culture. Push a few of the bulbs into a bowlful of pebbles and water. Set in a cool dark place for two weeks and then a sunny window. Your winter window garden will show its first crop of beauty in six weeks, with clusters of fragrant, pure white, star-shaped blooms.

Our Paper-White Narcissus are true French Grandiflora

JUMBO BULBS. 65¢ for 3; \$1.80 for 10; \$16.00 per 100.

MAMMOTH BULBS. 55¢ for 3; \$1.50 for 10; \$13.00 per 100.

Grand Soleil d'Or (The Yellow Paper-White)

Just as easy to grow as the Paper-Whites but take a little longer to bloom. Golden yellow flowers with orange cups; fragrant.

JUMBO BULBS. 65¢ for 3; \$1.80 for 10; \$16.00 per 100.

MAMMOTH BULBS. 55¢ for 3; \$1.50 for 10; \$13.00 per 100.

Chinese Sacred Lily

White perianths and yellow cups, with a distinctive fragrance. Grow just like Paper-Whites.

JUMBO BULBS. 75¢ for 3; \$2.20 for 10; \$20.00 per 100.

French's Narcissus Mixture for Naturalizing

A truly wonderful mixture of fine Daffodils. Early and late varieties are combined to give a long blooming season.

FRENCH'S IDEAL NATURALIZING MIXTURE. \$9.50 per 100; \$90.00 per 1000.

FRENCH'S SUPERB NATURALIZING MIXTURE. \$13.00 per 100; \$110.00 per 1000.

FRENCH'S SEEDLING MIXTURE. A collection of named and unnamed varieties from Oregon. \$16.00 per 100; \$140.00 per 1000.

MISCELLANEOUS BULBS

(Bulbs are Marked for Outdoors or Forcing)

Allium

GIGANTEUM. Purple-violet, flowers in July. 4 ft. tall. Most impressive plant with colossal size flowers. \$1.50 each.

KARATAVIENSE. Reddish-lilac flowers, red-tinged metallic glaucous leaves spreading on the ground. Height 10 in., blooms in May, suitable for the rock garden. \$1.40 for 10; \$12.00 per 100.

Amaryllis

For Forcing

GIANT HYBRIDS. These Giant Amaryllis are for indoor culture only. They are available from November 15 until the end of April. The colors vary from white striped with pink or red to dark red. We offer these Giant Hybrids as a mixture only. They are our best seedlings. \$1.00 each; \$10.00 per dozen.

Royal Dutch Amaryllis

ALBINO. Pure white, a little green in the throat, large flat flowers. Very free flowering.

FRIENDSHIP. Salmon with a slight orange glow. Bears 4 to 5 flowers per stem.

GIANT GOLIATH. Deep vermilion, enormous flat faced and star shaped flowers, mostly 3 flower stems bearing 4 flowers each, with a glossy bright sheen.

JULIA. Orange red, very large flat faced and star shaped flowers. Produces 2 to 3 stems bearing 3 to 4 flowers each. This variety is the finest in this color.

QUEEN OF SHEBA. Beautiful pink with a Camellia pink reflection. A little darker in the throat. Produces 2 to 3 stems, bearing 4 large flowers each.

QUEEN SUPERIORA. Excellent dark red. Large flat flowers, very free flowering, growing more beautiful each year.

VOLENDAM. White, edged rosy-pink, a very unusual color.

Any of the above, \$5.00 each

Hardy Amaryllis for Outdoor Growing (Lycoris)

SQUAMIGERA HALLI. Beautiful, lily-shaped flower of a delicate lilac-pink. Very useful for the border or among shrubbery. 50¢ each; \$4.00 for 10.

RADIATA (Coral-Red Spider Lily). Beautiful fiery coral-red flowers, 1½ to 2 inches across. 30¢ each; \$2.50 for 10.

Giant Poppy-Flowered Anemones

For Forcing

Striking single and semi-double, poppy-like flowers. The most intense shades of red,

white, pink, blue. Plants grow 18 inches tall and may be forced for indoor bloom. Excellent cut flowers.

BLUE POPPY. Choice of selection of blue shades.

HIS EXCELLENCY. Vivid scarlet with silver-white base.

MONARCH DE CAEN. Brilliant and varied colors, from pink to beautiful shades of blue and bright scarlet.

ST. BRIGID. Immense, semi-double flowers in many colors.

THE BRIDE. Large, single, pure white.

Any of the above, jumbo bulbs, \$1.50 for 10; \$13.00 per 100

Anemones

Outdoors

BLANDA ATROCOERULEA. Deep blue flowers in early spring, blooming with species tulips. Plant 2 to 3 inches deep and 3 to 4 inches apart in early fall in a choice position where they do not have to meet strong competition from the roots of vigorous neighbors. \$1.00 for 10; \$8.00 per 100.

Calla Lilies

For Forcing. Plant September to January

These old favorites are still among the most satisfactory bulbs for home culture.

GOLDEN CALLA (Z. Elliottiana). Pure golden yellow Calla of easy culture. Plant December 1 for midwinter bloom; plant February 1 for Easter bloom.

Mammoth bulbs, \$10.00 for 10; \$80.00 per 100.

Jumbo bulbs, \$12.00 for 10; \$100.00 per 100.

WHITE CALLA (Zantedeschia aethiopica). Pure white. Jumbo bulbs, \$10.00 for 10; \$85.00 per 100.

Chionodoxa (Glory of the Snow)

Outdoors

A mass planting forms a lovely display—a mass of blue and white, intense and brilliant. They bloom with the Crocuses, producing dwarf spikes that bear from 12 to 15 flowers of sky-blue with a pure white heart. They should be planted in the fall, 3 inches deep, about 18 bulbs to a square foot, in a sunny location or in half shade where they can remain undisturbed for a number of years. All are 6 to 7 inches high, therefore excellent in the rockery as well.

LUCILIAE. Bright blue, white center. Often

MISCELLANEOUS BULBS, cont'd

6 to 8 blooms on each stem. 55¢ for 10; \$3.50 per 100; \$8.00 per 250.

SARDENSIS. True gentian-blue. 55¢ for 10; \$3.50 per 100; \$8.00 per 250.

Crocus

Outdoors

Hardy corms blooming in spring, fall, and in fairly mild climates in winter. For naturalizing in lawns and other grassy places, among shrubbery, in rock gardens, and for forcing in pots.

BLUE and PURPLE

EARLY PERFECTION. Dark blue. Early.

ENCHANTRESS. Clear dark porcelain-blue.

PURPUREA GRANDIFLORA. Dark purple. Good for forcing.

REMEMBRANCE. Dark lavender-blue. Large; free flowering.

THE BISHOP. Dark purple.

WHITE

SNOWSTORM. Pure white, large flowers.

STRIPED

STRIPED BEAUTY. Striped white and dark mauve.

YELLOW

MAMMOTH YELLOW. Brilliant yellow. Very profuse.

Any of the above, extra-large bulbs, 75¢ for 10; \$5.50 per 100

CHOICE MIXED. A blend of all the above colors. 70¢ for 10; \$5.00 per 100.

SPRING and WINTER-FLOWERING SPECIES

2 to 4 inches tall

ANCYRENSIS (Golden Bunch). Clear yellow.

CHRYSANTHUS (Dorothy). White.

CLOTH OF SILVER. White, striped purple.

TOMASINIANUS (Whitewell Purple). Reddish violet.

Any of the above, 65¢ for 10; \$4.50 per 100

Eranthis (Winter Aconite)

HYEMALIS. Yellow. One of the earliest spring flowers. 65¢ for 10; \$4.50 per 100.

Erythronium

DENS-CANIS. Dog's Tooth Violets or Trout Lilies, charming flowers in lovely delicate shades. The marbled leaves make attractive groups of foliage even after the flowering time is over. \$1.40 for 10; \$12.00 per 100.

Freesias

PATENTED VARIETIES

For Forcing. Plant August to November

These new varieties represent a new race of Freesias. The flowers are twice the size of

ordinary varieties; the colors are intense; they are strong, virile growers, and the flowers are borne in immense trusses. None of these improvements have minimized the fragrance of the old type. In fact, the delicate and delightful perfume seems to be enhanced in these new varieties.

APPLEBLOSSOM. Beautiful pink.

GIANT CREAM. Cream color.

GOLD FINCH. A combination of colors like the Talisman rose, but a little darker.

HANS CHRISTIAN ANDERSEN. The largest golden yellow. Dark orange blotch on lower lip, strong grower, delightfully fragrant.

KING OF YELLOWS. Golden yellow.

MARYON. Light blue.

PRINCESS MARYKE. Bronze-red. Free flowering. Long, strong stems with many flowers per spray.

RYNVELD'S GOLDEN YELLOW. Golden yellow with orange.

SNOWSTORM. Pure white; large.

Any of the above, Jumbo bulbs, \$2.00 for 10; \$18.00 per 100

Fritillaria

Outdoors

IMPERIALIS RUBRA (Crown Imperial).

Dark orange-red, blooming in May and June. For best results, the bulbs should be planted during September. \$1.50 each; \$12.00 for 10.

MELEAGRIS, MIXED (Guinea-Hen-Flower). Large, pendent, bell-shaped flowers of various colors. 70¢ for 10; \$5.00 per 100.

Baby Gladiolus

For Forcing

An extremely popular flower of marvelous grace and beauty. Wonderful for forcing.

APOLLO. New. Dainty blooms of deep salmon.

PEACH BLOSSOM. Soft pink.

SPITFIRE. Deep reddish salmon.

THE BRIDE. Pure white.

Any of the above, \$1.45 for 10; \$12.00 per 100

TRISTIS SUPREME. The finest of all Tristis Hybrids. Pure white with delicate greenish cast in center. Tall, vigorous, delicately fragrant. \$1.85 for 10; \$16.00 per 100.

Glory Lily

(Gloriosa Rothschildiana)

Greenhouse climber; or may be grown outdoors, provided the roots are lifted before frost. Plant in a sunny position and water generously in dry weather. \$1.25 each; \$11.00 for 10.

MISCELLANEOUS BULBS, cont'd

Dutch Iris (Iris Hollandica)

Forcing or Outdoors

This is a hybrid type of bulbous Iris that was developed in Holland. It is somewhat similar to the Spanish Iris, but it blooms earlier and the flowers are large and more beautiful.

Grown indoors in a moderate temperature; also suitable for garden culture in the Southern States.

BLUE RIBBON. New, large intense royal blue. \$1.20 for 10; \$10.00 per 100.

GOLDEN HARVEST. Beautiful yellow. \$1.20 for 10; \$10.00 per 100.

HUCHTENBURG. Pleasing light blue standards and light yellow falls with deep golden yellow blotch. \$1.20 for 10; \$10.00 per 100.

IMPERATOR. Large, dark blue. \$1.20 for 10; \$10.00 per 100.

WEDGWOOD. Light blue, large flower. \$1.45 for 10; \$12.00 per 100.

WHITE EXCELSIOR. Large, pure white. \$1.20 for 10; \$10.00 per 100.

WHITE SUPERIOR. White with sulphur line on falls. \$1.20 for 10; \$10.00 per 100.

WHITE WEDGEWOOD. A new white variety, with the same growing habits as Wedgewood. \$1.60 for 10; \$14.00 per 100.

YELLOW QUEEN. Pure yellow. \$1.20 for 10; \$10.00 per 100.

Iris Species

Forcing or Outdoors

DANFORDIAE. Golden yellow, early. \$1.00 per 10; \$8.00 per 100.

RETICULATA. Dark purple-blue; dwarf; early. Very fragrant on warm days. In the North they should be protected by a heavy winter covering of leaves, evergreen branches, etc. They need light soil and a sunny exposure. \$1.00 for 10; \$8.00 per 100.

Lachenalia

For Forcing

AUREA. Beautiful golden pendulous flowers—very good for pot. \$1.80 for 10; \$16.00 per 100.

Leucocoryne (Glory-of-the-Sun)

For Forcing

IXIOIDES (Odorata). Very long-lasting, exquisite light blue flowers, with faint heliotrope fragrance, on tall, wiry stems. For greenhouse culture or outdoors in warm states. Blooms in March and April. Unquestionably one of the loveliest new bulbs introduced. \$2.20 for 10; \$20.00 per 100.

Leucojum (Snowflake)

Outdoors

AESTIVUM. White, tipped green. Strong flowers, similar to a giant snowdrop, with two or more flowers on a stem. Blooms in May. \$1.45 for 10; \$12.00 per 100; \$27.50 for 250.

VERNUM. White, tipped green. Blooms in February. \$1.45 for 10; \$12.00 per 100; \$27.50 for 250.

Lily-of-the-Valley

Cold Storage for Growing in the House

We believe our cold-storage Lily-of-the-Valley pips are the finest grade procured from Germany. Will flower in 4 to 5 weeks after planting.

Case of 250, \$50.00; \$3.60 per doz.; \$25.00 per 100.

Mertensia

Outdoors

VIRGINICA (Virginia Bluebell). Nodding, blue, bell-shaped flowers. Blooms and combines well with daffodils. \$6.50 for 10; \$50.00 per 100.

Muscari (Grape Hyacinth)

Outdoors

Charming spring-flowering subjects. They grow under trees and shrubs and also do well in full sun in the border or a sunny spot in the rock garden, without any special attention. Botryoides and Armeniacum are also beautiful when forced in the house (same culture as Freesia), while Plumosum is always a source of great interest. All are about 6 to 8 inches high.

ARMENIACUM. Deep cobalt-blue, larger than heavenly Blue.

BOTRYOIDES ALBUM. Pure white.

Either of the above, 70¢ for 10; \$5.00 per 100; \$10.00 for 250

PLUMOSUM (Feather Hyacinth). Purple. Very remarkable. \$1.60 for 10; \$14.00 per 100.

Ornithogalum

For Forcing

ARABICUM (Star of Bethlehem). Makes a large umbel of small white flowers with black base, produced on a tall spike. Hardy in the extreme South, but must be grown indoors in the North. \$1.75 for 10; \$15.00 per 100.

MISCELLANEOUS BULBS, cont'd

Oxalis

For Forcing

BERMUDA BUTTERCUP. This is one of the finest winter-flowering plants for pot culture. It is a strong, luxuriant grower, and the great profusion of bloom produced in uninterrupted abundance for weeks is astonishing. The flowers are of the purest bright buttercup-yellow. 80¢ for 10; \$6.00 per 100.

BOWIEI. Umbel of large rose-pink flowers. Large, shamrock foliage. 80¢ for 10; \$6.00 per 100.

Puschkinia

Puschkinia is used like Chionodoxa. Fine for mass planting, in borders and rock gardens.

LIBANOTICA. Flowers white, shaded and striped soft blue, a lovely early flowering bulb which is very fine for associating with Chionodoxa Sardensis. 55¢ for 10; \$3.50 per 100; \$8.00 per 250.

LIBANOTICA, ALBA. Pure white flowers. 80¢ for 10; \$6.00 per 100; \$13.00 per 250.

Ranunculus

For Forcing

The popularity of this famous strain is due to the magnificent and beautiful range of colors. The yellow and white shades have light centers, while the reds, orange, and other bright colors have black central boss.

GOLDEN YELLOW	RED SHADES
ORANGE SHADES	PINK SHADES
WHITE SHADES	ROSE SHADES
MIXED SHADES	YELLOW SHADES

Any of the above, \$2.00 for 10; \$18.00 per 100

Scilla Campanulata or Hispanica (Spanish Bluebell)

Outdoors

The Spanish Bluebells bloom in May, and are very valuable for wild gardens, woodlands, flower and shrubbery borders. They are of very easy culture, doing well in shade as well as in sun. Height 10 to 12 inches.

ALBA MAXIMA. Pure white.

BLUE QUEEN. Porcelain-blue. Tall.

EXCELSIOR. Blue. Free flowering.

ROSE QUEEN. Clear rose.

Any of the above, top-size bulbs, 80¢ for 10; \$6.00 per 100; \$13.00 for 250

SCILLA SIBIRICA, Spring Beauty. Sky-blue; large. 90¢ for 10; \$7.00 per 100.

Snowdrops (Galanthus)

Outdoors

One of the earliest bulbs to bloom in the spring. Thrives in both sun and shade and in almost any situation or soil. Excellent for banks, edgings, or the rockery. Perfectly hardy. Height 6 to 8 inches.

NIVALIS SIMPLEX. Single; pure white. 70¢ for 10; \$5.00 per 100.

Sparaxis

For Forcing

Bright-colored, large-flowered strain. Mixed colors, extra selected. 85¢ for 10; \$6.50 per 100.

Spirea (Astilbe)

Beautiful Blooms in Midsummer

Outdoors or Pot Culture

Astilbes are colorful perennials for shaded locations in the garden. They also do well in the sun. They prefer rather rich, moisture-retaining soil; watering is essential during dry weather. Plants bloom freely in June and July, and the foliage remains attractive for the rest of the summer. Height about 2 feet.

DEUTSCHLAND. Purest white. Good forcer.

GLADSTONE. Large spikes of pure white flowers. Height 18 inches.

GLORIA SUPERBA. Dense, feathery plumes of a brilliant dark pink, shaded soft lilac.

RHINELAND. Bright crimson, shaded salmon.

Any of the above, clumps, \$1.75 each; \$20.00 per doz.

Triteleia Uniflora or Brodiaea (Spring Star Flower)

For Forcing or Outdoors in Protected Sections

Planted in masses or as an edging for beds of spring flowers. The pretty, star-shaped flowers are of a delicate milky white color, suffused with blue, having a rich primrose fragrance. Very desirable for early spring decoration in the house or greenhouse, as well as for cut flowers. 70¢ for 10; \$5.00 per 100.

IT'S EASY TO GROW BULBS THIS WAY!

After blooming, bulbs should be left undisturbed until the foliage has turned yellow. It is not necessary to dig bulbs up after blooming.

A good application of coarse bonemeal is beneficial when applied to soil before planting in the fall. Sacco Plant Food (4-12-4), when applied in the spring after bulbs have grown 2 to 3 inches, will encourage a stronger stem and larger, brighter flower.

Mid-century

HYBRID LILIES

LIBRARY
RECEIVED
★ AUG 17 1961 ★
U. S. Department of Agriculture

DESTINY

SUNSTAR

DESTINY — a cool, purest lemon-yellow, upright-flowering, most attractive lily. As many as six large flowers open at one time; carried well above the lustrous dark-green foliage on three to four foot tall stems. A.M., R.H.S.

SUNSTAR — first of a new strain of dazzling vermillion-red lilies; color holds in hottest sun; from three to five feet tall, slender stems, five to seven star-shaped flowers, June flowering.

TABASCO — July-flowering, chestnut-red flowers, five to seven on five-foot stems — a great garden lily, forces well, recommended.

OTHER JAN DE GRAAFF INTRODUCTIONS — NOT ILLUSTRATED

CINNABAR — a strong-stemmed, vivid maroon-red, upright-flowering lily with well-spaced flowers. Fine for forcing and for outside planting in light shade or full sun, June flowering.

CROESUS — tall, upright-flowering lily with large, goblet-shaped, golden-yellow flowers, nicely marked with near-black spots. Great substance, long-lasting. Vigorous, hardy, free-flowering and resistant to pests and diseases. Flowers early in July.

ENCHANTMENT — an upright lily of excellent habit, with many well-formed flowers of a vibrant, nasturtium-red color. Full of life and depth, the color blazes in the sun and, even on dark days, the glow of Enchantment can be seen for miles. This lily, which has been so well-endowed by nature, carries large numbers of bulbils in the axils of the leaves. U.S. Plant Patent No. 862. F.C.C., R.H.S.

FIREFLAME — outward-facing, with large, widely-expanded, crimson-red flowers of great substance. A most unusual lily of exceptional value as a border plant, pot plant and cut-flower, in arrangements and for startling, unusual corsages.

HARMONY — a wide-petaled, upright-flowering lily in shades of rich and brilliant orange; long pedicels, large flowers; fine for cutting and large flower arrangements. Harmony is the best of all Mid-Century lilies for forcing. A.M., R.H.S.

PROSPERITY — lovely, cool, lemon-yellow, outward-facing flowers. Plants stand better than four feet tall and make clumps through natural division. Extremely vigorous, hardy and apparently disease-resistant, a sensational garden plant.

TABASCO

Cultural Instructions for Lilies

Soils and Location: Lilies must have perfect drainage such as a gentle slope can provide. Air drainage too is important, for a good breeze can keep many garden pests and diseases away. If your site is level and the soil heavy, then prepare raised beds for the bulbs. Take care not to damage the roots in planting.

Sun or Shade: Lilies need sunlight, at least until 2 p.m. Filtered sunlight or semi-shade may bring out the more delicate colors, but they tend to make weak stems and soft flowers. Do not plant near house walls, walks or drives that reflect sunlight or heat.

Depth of Planting: *L. candidum* should be planted with not more than one inch of settled soil over the top of the bulbs. All others need not more than four inches of soil over them.

Mulch and Groundcover: Lilies are grass feeders and root deeply. They need a porous, well-aerated soil, rich in humus and well-balanced plant food. They like a good mulch of well-rotted cow manure, rich compost or decaying leafmold, and this can be applied several times during the growing season. The mulch keeps the soil cool, discourages weed growth and eliminates the need for surface cultivation which might hurt the stem roots. Shallow-rooted ground cover keeps the ground shaded and is beneficial. Do not expect your lilies to compete with strong-growing perennials or shrubs.

Cutting Flowers: Like all plants, lilies need their stems and foliage to build for next year's growth. Cutting the flowers only, preventing them from setting seed, is beneficial. Cutting the foliage is harmful in direct proportion to the amount taken. Cutting stems with foliage year after year will definitely kill the plant.

Fertilizers: Natural fertilizers are ideal. A handful of balanced fertilizer scattered over every few feet, a pound of wood ashes per every twenty square feet, and such applications repeated two or three times during the growing season, will help to keep the lilies strong and healthy. If your soil and water are alkaline, then two or three times during the growing season scatter a pinch or two of agricultural sulphur over the soil and water it in. Peat moss, being slightly acid, is good for lilies. It provides an ideal medium for the stem roots, when used as a mulch.

On Arrival: Lily bulbs are never completely dormant. They must be received as soon as possible after digging, hence orders should be placed with your dealer as early as possible. If slightly limp after their long trip, place them in wet peat moss for a few days. They will soon freshen up and should then be planted immediately. Never plant new bulbs where other lilies have failed to grow and never plant in heavy, soggy soil. They cannot be treated like tulip or daffodil bulbs which can be dried out and go completely dormant. **Drainage is paramount.**

Pot Culture: The soil mixture must be loose and porous. Two parts sandy loam, one of leafmold and one of sand is good. An inch of gravel should be placed in the bottom for drainage. Fill the pot half full of soil mix, add a handful of sand, set the bulb on the sand, then surround with more sand. The pot is then filled with soil mix, watered, labeled, staked and placed in a cool place until spring.

Spraying: Control aphids and fungus diseases with the same sprays used for roses.

PAISLEY HYBRIDS

BLACK DRAGON (CLONE)

SILVER SUNBURST STRAIN

GOLDEN SUNBURST STRAIN

Jan de Griaaff

Oregon-grown lilies gained a major Honors Award at the Floriade in Rotterdam, Holland, in 1960, as well as four Floriade Certificates and First Prize in the Lily Division. Both in 1958 and 1959 they gained the coveted John Lindley Medal when shown at the Royal Horticultural Society's Special Lily Show. All exhibits were made with flowers cut in Oregon and shipped abroad.

ILLUSTRATED

PAISLEY HYBRIDS — a strain of hybrid lilies of transcendent beauty in all the lovely colors of the well-known Paisley shawls. The flowers are recurved, and range from ivory-white through yellow and orange, lilac to tangerine and mahogany, all with tiny maroon dots. June-flowering, these beautiful lilies may take a year to "settle in," but, once established, will continue to grow and multiply. They prefer a neutral soil and can even stand some lime.

SILVER SUNBURST STRAIN — Aurelian hybrids with broad-petaled, star-shaped ivory and pure white flowers. Tall, late July-flowering; magnificent garden plants.

BLACK DRAGON (Clone) — the inside of the flower is of purest white; the outside is a rich purple-brown, margined white. The vigor of this named variety is amazing. The plants stand fully six feet high. They bear a dozen or more huge flowers in a perfect candelabra — well spaced, on long and strong pedicels. Floriade Certificate 1960.

PINK PERFECTION STRAIN — flowers are suffused a deep fuchsia-pink, extending over the inner, as well as the outer, surface of the petals. These lilies are a true pink in cool climates and may not show such deep color when grown in regions where warm nights prevail during the flowering season.

GREEN DRAGON (Clone) — the finest chartreuse-colored, bowl-shaped named trumpet lily variety that has appeared in all our Olympic Hybrids. Magnificent garden plant; fine for hybridizing.

HARLEQUIN HYBRIDS — a new, very hardy, hybrid strain derived from *L. cernuum*, in colors that vary from ivory-white, through lilac and old rose to violet and purple, with shades of salmon, terra-cotta and amber-pink. Mature plants will carry from twelve to fifteen flowers, all fully recurved and borne on short pedicels on five foot stems, June flowering.

GOLDEN SUNBURST STRAIN — these Aurelian hybrid lilies are tall and produce on long pedicels large, widely expanded, star-shaped flowers of a rich golden-yellow color. July flowering, recommended.

GREEN MAGIC STRAIN — loveliest, bowl-shaped, cool green lilies. Color bleaches to ivory in hot weather; plant in light shade and enjoy these finest of all delicate-colored lilies. Tall, July-flowering.

GOLDEN CLARION STRAIN — dependable, vigorous, golden garden plants that will thrive wherever a Regal lily can be grown. July-flowering; from five to seven feet tall when well-grown. Some plants have entirely self-colored yellow flowers, others show distinct wine-red stripes on the reverse of the petals.

NOT ILLUSTRATED

OLYMPIC HYBRIDS — large, formal, waxy, white flowers, characteristic of the trumpet lily family. Both of unusual substance and vigor and exhibiting ideal placement. The flowers are wide-flaring, open, often bowl-shaped, usually having brown or light green exterior and are very large.

LIMELIGHT (Clone) — this fine variety was first shown by us in London, England, at the July 1, 1958, Royal Horticultural Society's Show, and again by H. M. Crown Commissioners in 1959, when it received the coveted First Class Certificate. Limelight is a soft, greenish-yellow, almost a true chartreuse, bowl-shaped lily. It is tall, vigorous and prolific. Floriade Certificate 1960.

ROYAL GOLD — THE GOLDEN REGAL — golden-yellow, true-breeding strain of the Regal Lily. The flowers have a most attractive, shiny, glistening surface which adds to their beauty.

GOLDEN SPLENDOR STRAIN — is of deepest gold with a strongly contrasting distinct maroon stripe on the reverse of the petals. The Golden Splendor Strain contains nothing but magnificent, vigorous, tall and most impressive lilies.

MOONLIGHT STRAIN — lovely chartreuse-green and apple-yellow-green colored trumpet lilies. There is no hint of brown on the reverse of the petals — rather, the flowers may have a light green-white central vein. The flowers are almost bowl-shaped; the petals slightly pointed. Strong-growing, hardy and robust, these lilies blend with other summer-flowering plants to make a rare picture in the garden.

THREE NEW LILIES

LEMON CUP — an Aurelian clone of the Sunburst type, pure lemon-yellow color, both inside and out. Its numerous flowers are carried on long and wiry pedicels on a very stiff and strong stem, fully six feet in height. This is a grand lily for the border. It multiplies well, both by natural division of the bulb and by numerous bulbets forming on the stem just under the surface.

CORALINE — an Aurelian clone of the Sunburst type, with very large flowers. The color is a soft apricot inside and out, paling slightly toward the tips of the perianth segments. Buds are green. The habit of the plant is excellent — a straight, sturdy and stiff stem, broad leaves. Propagates freely from many underground bulbets. Grows to six feet. A fine border plant.

IVORINE — an Aurelian clone of the Sunburst type. The entire flower is of a nice, pure ivory shade, of heavy substance, good form and carried on long, sturdy pedicels. Late-flowering, this tall plant with numerous flowers makes a delightful picture in the border and lasts unusually well. It is the tallest of our Sunburst clones and one of the very prettiest.

PINK PERFECTION STRAIN

GREEN DRAGON (CLONE)

HARLEQUIN HYBRIDS

GOLDEN CLARION STRAIN

J. HOWARD FRENCH

BALTIMORE PIKE LIMA, PA.

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These glorious lilies were grown for you in Oregon, on the slopes of lovely Mt. Hood.

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The bulbs will be shipped with their full root-system intact, carefully packed with damp peatmoss and each variety and lot labeled as to type and name.

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L. CERNUUM — a lovely wild lily from Korea, flowers in July, from two to three feet tall, up to a dozen nodding, pink, fragrant flowers, very hardy. Ideal for hybridizing.



L. MONADELPHUM — Oregon-raised seedlings of this charming, early-flowering species. Scented, large flowers. Prefers semi-shade and humus-rich soil.



L. PAPILLIFERUM — most rare, true Turk's Cap lily from Yunnan. Very scarce; believed to be hardy; very unusual and attractive dwarf plant.



L. LANKONGENSE — scented, recurved, pendant flowers of lovely rose coloring, deepening with age; flowers in August on three to five foot stems. Strongly recommended.



L. TALIENSE — tall, wiry stems with many recurved, pendant, chalk-white flowers, spotted with purple, nicely scented, easily grown. Very rare, recommended.

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FIESTA HYBRIDS

As many as 20 nicely-spaced reflexed and nodding flowers in colors that range from pale straw-yellow through vivid reds, blazing oranges to deepest maroon-reds; lightly sprinkled with small maroon-black dots. Lately, entirely new colors have shown up in this strain, intermediate pastels and shades like burnt sienna and terracotta, as well as some fascinating bicolors, such as yellow and red; orange and maroon, etc. These gay, cheerful lilies grow on wiry stems and give us one of the brightest patches of color during July.

BRONZINO STRAIN — a new selection from Fiesta Hybrid seedlings which consists of amber, sable and chocolate-colored flowers. Some of them are in definitely bicolor shades of sand and sable, mahogany and teal or amber and gold-topaz.

BRONZINO STRAIN



BURGUNDY STRAIN



CITRONELLA STRAIN



BELLINGHAM HYBRID—BUTTERCUP — a lovely, vigorous lily with bright yellow, maroon-spotted flowers, good habit and form. Multiplies rapidly to form large clumps with an abundance of tall stalks with many flowers.



IMPERIAL CRIMSON STRAIN — the finest of the famed *L. speciosum* x *L. auratum* hybrids; intensely rich crimson-red color; flowers fully eight inches across, carried on six-foot stems; August-flowering, most impressive novelty we have offered; quantity limited.



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SENTINEL STRAIN — lilies of impeccable form. The flowers open very wide and are almost bowl-shaped, of purest white with a soft golden throat and strongly contrasting dark brown pollen. Standing, when fully grown, from five to six feet tall and carrying up to twenty huge flowers, beautifully spaced on long pedicels in a magnificent, towering pyramid, this Sentinel Strain is of amazing uniformity and elegance. July flowering.

SENTINEL STRAIN



GROWING BULBS FOR THE HOUSE

Bulb	Potting Medium	Start In	Move To
Amaryllis	Fertile soil; cover only $\frac{3}{4}$	Dark, slightly heated place	Light when 4 in. high, 60 to 70°
Calla Lily	Fertile soil; barely cover	Sunny window	60 to 65°
Crocuses	Fertile soil; barely cover	Trench outdoors	Light, then sunny window, 50 to 60°
Daffodils and Narcissus	Rich soil; cover bulbs	Trench outdoors	Light, then sunny, cool window, 50 to 60°
Freesias	Fertile soil; cover bulbs	Garden, until frost threatens	Sunny, cool window, 50 to 60°
Grape Hyacinths	Fertile soil; cover bulbs	Cool place or trench outdoors	Light, then sunny window, 50 to 60°
Hyacinths	Fertile soil; barely cover bulbs	Trench outdoors	Light, then sunny window, 50 to 60°
Lily-of-the-Valley	Bulb fiber and water	Dark, cool place	Sunny window, 50 to 60°
Narcissus (Paper-White)	Pebbles and water	Dark, cool place	Light room, 60 to 65°
Scilla Sibirica	Fertile soil; cover bulbs	Trench outdoors	Light, then sunny window, 50 to 60°
Tulips	Fertile soil; cover bulbs	Trench outdoors	Light, then sunny window, 50 to 60°

PLANTING INSTRUCTIONS

Daffodil and Narcissus

OUTDOOR CULTURE

Daffodils thrive in any good garden soil, preferably deep well-drained loam. Deep preparation of the soil is necessary, and old rotted manure or compost may be worked in 16 or 18 inches below the surface, so as not to come in direct contact with the bulbs. **FRESH MANURE SHOULD NEVER BE USED.** A liberal amount of raw bonemeal should also be worked in with the rotted manure and compost.

In medium soils, cover the bulbs about twice their depth, and a little deeper in lighter soils. The average for most sorts is 3 to 4 inches from the top of the bulb. Set bulbs at a uniform depth; otherwise they may flower irregularly.

POT CULTURE

Daffodils should be potted in September or October in good loamy soil, adding a little sand or leafmold and a small amount of bonemeal (about 2 pounds to the bushel of soil).

The old pots must be washed thoroughly and allowed to dry before using. New pots should be soaked. Provide drainage by placing pieces of charcoal or fragments of pots over the drainage hole. A little ground peat in the bottom regulates drainage, retaining moisture.

After ten or twelve weeks they may be taken indoors for flowering. Plant the earliest varieties first, thus extending the flowering season.

Do not bring them into a warm temperature—50 to 60 degrees is best at first. Do not give any bottom heat. Later, when the flower buds are well advanced, the temperature may be increased to not more than 65 degrees.

When the pots are first brought to the light, the tender shoots may be covered for a day or two with an inverted flower pot to prevent injury from light or draft. A little weak liquid manure once a week, until buds burst, will hasten the flowers after growth has started.

Amaryllis

Use a fairly deep, unglazed, earthen flower pot that is about an inch larger in diameter than the bulb. Place a small piece of broken earthenware on the hole in the bottom of the pot. Above all, use airy soil consisting of leafmold or soil mixed with a little peat.

Hold the bulb with one hand in the top part of the pot in such a way that the roots are hanging down into the pot, and sprinkle the soil loosely between the roots. Do not press on the bulb. Later, when the bulb is throwing up leaves and the bud appears, press the bulb down and add some soil at the same time.

Make sure that the soil is only just moist, but certainly not soaking wet. During the first fortnight after planting, hardly any water should be given. Always pour water on the soil, never into the saucer.

Place the pot at the warmest possible spot where the heat will rise from below, such as on the mantelpiece or on the radiator of the central heating system.

After the flowering of the first spike, it is advisable to keep the plant growing. Add a little manure or special plant food from time to time. By the end of May you can put the pot outside in the full sun and leave until just before frost. Then cut off the leaves, leaving the bulb in the pot in the soil for about two to three months, preferably in normal house temperature, but in any case free from frost. Following this rest period, repot the bulb in fresh soil.

Tulips

OUTDOOR CULTURE

Planting can be done any time between late September and mid-November when the ground is moist. Loosen the soil in full spade's depth and pulverize it. Add compost or leafmold if soil is stiff; also add some bonemeal; then relevel the bed.

PLANTING INSTRUCTIONS, cont'd

Tulips, cont'd

For a good-looking clump, plant not less than ten in a group, allowing 5 inches between bulbs. Lay them out on the ground, where you want them. Lift the first bulb and stab your hand trowel its full depth, 6 to 8 inches, straight down into the soft soil directly below where the bulb lay. Pull the trowel blade toward you to widen opening. With your other hand, insert a bulb with pointed end up. Press its base firmly against bottom of the hole. Pull up and out on your trowel and let the soil fall back to fill. Press the soil over each bulb as planted. Give the bulbs two to four weeks to start their roots before watering. Tulips should not have too much moisture before they have made roots; in that condition they are easy victims to rot or other infections.

Top feed with Sacco Plant Food in the spring when bulbs are 2 to 3 inches above ground. This will insure a stronger stem and truer color.

POT CULTURE

Pot up the bulbs as soon as you receive them, in loose, coarse soil. The addition of peat moss may prove beneficial, since a continuous supply of moisture is needed and the soil should never be permitted to dry out. The bulbs are planted about $\frac{1}{2}$ inch apart in bulb pans or 4-inch-deep flats and watered well.

Bury the pots in a pit or trench, with 8 to 10 inches of straw or leaves and soil on top and around the sides of the containers. A root-making period of eight to twelve weeks is required before pots can be brought into the warmth of the house or greenhouse.

Lilies

OUTDOOR CULTURE

Lilies must have perfect drainage, such as a gentle slope can provide. Air drainage is important, too, for a good breeze can keep many garden pests and diseases away. If your site is level and the soil heavy, then prepare raised beds for the bulbs. Take care not to damage the roots in planting.

Lilies need sunlight, at least until 2 P.M. Filtered sunlight, or semi-shade may bring out the more delicate colors, but they tend to make weak stems and soft flowers. Do not plant near house walls, walks or drives that reflect sunlight or heat.

Lilium candidum should be planted with not more than 2 inches of settled soil over the top of the bulbs. Others need more covering, depending on the species.

Lilies are gross feeders and root deeply. They need a porous, well-aerated soil, rich in humus and well-balanced plant food. They like a good mulch of well-rotted cow manure, rich compost or decaying leafmold, and this

can be applied several times during the growing season. The mulch keeps the soil cool, discourages weak growth and eliminates the need for surface cultivation which might hurt the stem roots. Shallow-rooted ground cover keeps the ground shaded and is beneficial. Do not expect your Lilies to compete with strong-growing perennials or shrubs.

POT CULTURE

The soil mixture must be loose and porous. Two parts sandy loam, one of leafmold, and one of sand is good. An inch of gravel should be placed in the bottom for drainage. Fill the pot half full of soil mix, and a handful of sand, set the bulb on the sand, then surround with more sand. The pot is then filled with soil mix, watered, labeled, staked and put in a cool place until spring. Control aphids and fungous diseases with a good spray.

Lily-of-the-Valley

Lily-of-the-Valley can be had in flower from January through May by successive plantings. It is grown from specially pre-cooled bulbs or pips that come from Europe, especially Germany, and are sold in bundles. Grow them in a box 8 inches deep, in a deep bulb pan, or in a bench if large quantities are wanted. Sand, peat or sphagnum moss may be used as the planting medium.

The pips are planted with the crown extending about $\frac{1}{2}$ inch above the surface. Keep them covered with heavy paper for about two weeks, then gradually let them have full light. Bottom heat is wanted, about 70 to 80 degrees. The covered propagating bench is a good place to grow them. Water heavily during this period, tapering off when the flower buds appear. The pips are useless once they have been forced.

Calla Lilies

The Callas are good subjects to grow because they require so little attention. The flowers last a long time when the plants are grown slowly, and the plant continues to provide attractive and useful foliage after the flowers are gone.

The rhizomes may be potted up any time from August through December. Smaller ones can go into 5 or 6-inch pots. They are not fussy as to soil, and your regular compost should prove excellent.

Callas will grow in any temperature from 50 to 70 degrees, but the flowers will have more substance and last longer when grown at 50 to 55 degrees. The rhizomes should be watered sparingly until growth starts. Then they can take more water, and will be benefited by one or two feedings of ammonium sulphate solution.

PLANTING INSTRUCTIONS, cont'd

Crocus

Plant in a well-drained location where they will have full sun. They may be used in the rock garden or under shrubs and perennials, where they will bloom before the larger plants show their leaves. Set the corms 4 inches deep, in groups, and do not cut off the foliage until it has thoroughly ripened.

Freesia

You miss something really worth while if you don't grow a few pots of Freesias. The foliage is scraggly and unattractive, but the blooms are fragrant and lovely. You can have them for cutting by Christmas if you plant corms in August and grow them at 55 to 60 degrees. Plant them in shallow bulb pans or 4-inch-deep flats. Use a light soil consisting of four parts rotted sod and manure loam, and one of peat or leafmold. Fill the pans or flats and press the corms into the soil. They are cornucopia-shaped and the point is the top. Water well and place under the greenhouse bench or in a pit or coldframe protected from frost. Do not water again until growth starts. You can grow them at any temperature from 48 to 60 degrees. Flowers can be had from late December into March.

Supports are needed, and a circular frame made of $\frac{1}{4}$ or $\frac{1}{2}$ inch mesh wire around the inside rim of the pot, or of bamboo stakes and string, is satisfactory.

Iris

Dutch, English and Spanish bulbous Iris are suited for winter flowering in the greenhouse. Wedgwood, Imperator, White Excelsior and Yellow Queen are fine varieties. They are grown for cut flowers in flats or bulb pans. Plant the bulbs during September, about 2 inches apart and 3 inches deep. Water thoroughly and treat the same as tulips and narcissus. Start bringing them into the greenhouse in November. They grow best at a temperature of 45 to 50 degrees.

Oxalis

A delightful subject for pots and hanging baskets. Grow in a soil that is light, and feed occasionally with liquid manure or ammonium sulphate. In the spring the plants may be set in the rock garden, where they often bloom on until you lift and bring them into the greenhouse in the fall.

DELIVERY TERMS

On Items Offered in This Catalog

BULBS—Prepaid anywhere in U. S. A. when remittance accompanies the order.

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All pin-type flower holders are constructed of the finest materials with heavy lead alloy bases and needle-sharp SOLID BRASS PINS very closely set. This makes them adaptable for either slender or large-stemmed flowers. All pin-type holders except No. 0, No. 40 and No. 41 individually wrapped in cellophane.

Heavy • Rust-Proof

PIN-TYPE FLOWER HOLDERS

No.	Size	Shape	Shipping Weight Per Doz.	Each
0	1 $\frac{3}{8}$ in.	Round	2 lbs.	\$0.25
1	1 $\frac{5}{8}$ in.	Round	3 lbs.	.35
2	2 $\frac{1}{8}$ in.	Round	5 lbs.	.85
3	2 $\frac{5}{8}$ in.	Round	6 lbs.	1.15
4	3 $\frac{1}{8}$ in.	Round	10 lbs.	1.35
5	3 $\frac{5}{8}$ in.	Round	14 lbs.	1.85
6	4 $\frac{1}{4}$ in.	Round	20 lbs.	2.75
7	6 in.	Round	40 lbs.	3.95
8	1 $\frac{3}{8}$ x 3 $\frac{1}{2}$ in.	Oblong	6 lbs.	1.00
9	1 $\frac{7}{8}$ x 3 $\frac{1}{2}$ in.	Oval	6 $\frac{1}{2}$ lbs.	1.15
10	2 $\frac{1}{4}$ x 4 $\frac{3}{8}$ in.	Oval	9 lbs.	1.75
65	1 $\frac{1}{8}$ x 5 in.	Rect.	9 lbs.	1.25

MINIATURES

No.	Size	Shape	Shipping Weight Per Doz.	Each
40	1 $\frac{1}{16}$ in.	Round	$\frac{1}{2}$ lb.	\$0.15
41	$\frac{7}{8}$ in.	Round	1 lb.	.20

MESH-TYPE HOLDERS

70	2 $\frac{1}{2}$ in.	Round	4 lbs.	\$0.75
71	3 $\frac{3}{8}$ in.	Round	6 lbs.	1.00
72	4 $\frac{1}{2}$ in.	Round	12 lbs.	1.75
73	6 in.	Round	20 lbs.	2.50
74	2 $\frac{1}{2}$ x 5 in.	Oblong	10 lbs.	1.60
76*	7 $\frac{1}{2}$ in.	Round	36 lbs.	4.40

*Extra large for florist— $\frac{7}{8}$ -in. mesh

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